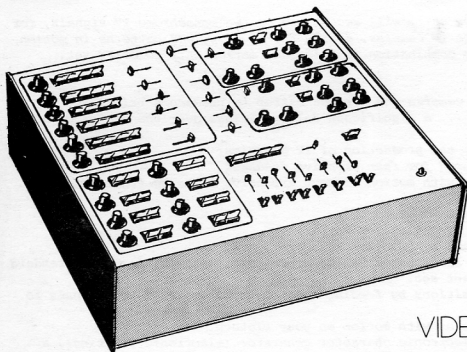




BJA Systems, Inc.

CHROMATON

The Electronic Palette



Preliminary Data Sheet:

CHROMATON 14

COLOR VIDEO SYNTHESIZER

VIDEO ART IN MOTION

Enhance your TV productions with the BJA CHROMATON 14 easily, rapidly on your budget. Produce exciting titles, interesting effects, and sophisticated transitions. Colorize black and white TV pictures for a dramatic effect or to obtain color when not in the original picture. Generate still or moving backgrounds behind performers without building expensive sets. Enhance diagrams and illustrations by adding color and action. Feed your audio into the CHROMATON 14 where the various rhythms are extracted to activate the video patterns. All of these features are under fingertip control where they can be rapidly optimized to suit your individual tastes and needs. No TV studio should be without a CHROMATON.

CONNECTIONS: Composite sync, blanking, color subcarrier, two video inputs, and audio are fed in. A composite 75 ohm, 1 volt color video signal is fed out. Two 1 volt external key signals are available.

SIZE: 17" wide by 6" high by 15-1/4" deep

OPTION: Internal Sync Generator. Provides all internal sync requirements plus composite sync, composite blanking, color subcarrier, horizontal and vertical drive outputs for other associated equipments. Factory installed.



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WHAT IS IT?

The Chromaton 14 is a device which will accept one or two monochrome TV signals, for example from black and white TV cameras, modify the signals, add patterns in motion if desired, and display the combination in color and motion on a color TV set.

ADVANTAGES

- Utilize black and white cameras and subject matter to produce a brilliant, controlled color signal ... a significant dollar savings over the use of color cameras and art.
- Speed up, by many times, the production of TV graphics.
- Observe results as produced for fast creative feedback.
- Obtain exciting graphics with motion without expensive frame by frame animation.

WHAT CAN YOU DO WITH THE CHROMATON?

- Quickly create exciting TV titles and graphics.
- Enhance technical diagrams with motion and color.
- Create still and moving backgrounds behind performers, by combining with standard chroma-key ... the instant set.
- Create exciting TV transitions by feeding the Chromaton external key signals to your switcher.
- Overlay multicolored titles with motion on your picture.
- When combined with an electronic character generator (electronic printing), a 100% electronic title, complete with art, may be produced, inherently very quickly.

HOW DO YOU OPERATE IT?

- Switches and knobs on the control panel are operated to create the patterns.

ARE THE PATTERNS REPEATABLE?

- Yes, the same control settings produce the same image each time.

HOW LONG DOES IT TAKE TO LEARN TO OPERATE?

- Within an hour you will be using it productively. Some of the more complex operations will take longer; however, a manual of illustrative effects will help. Since it is a creative tool, months later you will still be discovering new ideas.

HOW DOES IT COLORIZE?

- The operator assigns desired colors to selected gray levels of the incoming video signal. The transitions are discrete. Up to four colors and a background are available simultaneously for colorizing.

WHAT ABOUT COLORS?

- There are 20 fixed colors available from the CHROMATON. Up to 6 at once can appear on the screen. They are, in general, intense, crisp, clean colors, meeting all TV standards for recording and transmission.

WHAT ARE THE EXTERNAL KEY SIGNALS?

- Two available keying signals may be fed into an effects generator to permit any selected two portions of the generated pattern to be replaced at the effects generator by any two other video signals, thus permitting interesting wipes, transitions and other special effects.